AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A reconfigurable organic light-emitting device, comprising:

at least two organic light-emitting layers; and

at least one high-energy-gap carrier-blocking layer, formed between each of the organic light-emitting layers;

wherein the organic light-emitting layers and the high-energy-gap carrier-blocking layer can be heated to induce the inter-diffusion process, so as to change the structure of the reconfigurable organic light-emitting device and emit light of different spectra in different structures.

2. (Previously Presented) The organic light-emitting device as recited in claim 1, further comprising an upper electrode and a lower electrode sandwiching the organic light-emitting layers and the high-energy-gap carrier-blocking layer, wherein by applying a bias voltage thereon, the reconfigurable organic light-emitting device may emit lights.

3. (Previously Presented) The organic light-emitting device as recited in claim 2, further comprising a light-to-heat conversion layer adjacent to at least one of the organic light-emitting layers, wherein by shining a light-beam thereon, the reconfigurable organic light-emitting device may be heated.

4. (Previously Presented) The organic light-emitting device as recited in claim 2, further comprising a built-in resistive heating electrode adjacent to at least one of the organic light-

emitting layers, wherein by applying a current thereon, the reconfigurable organic light-emitting device may be heated.

5. (Previously Presented) The organic light-emitting device as recited in claim 2, further comprising an external heating source adjacent to at least one of the organic light-emitting layers.

6. (Original) The organic light-emitting device as recited in claim 5, wherein the external heating source is a patterned resistive heating electrode, wherein by applying a current thereon, the reconfigurable organic light-emitting device may be heated.

7. (Original) The organic light-emitting device as recited in claim 4, wherein the built-in resistive heating electrode is a patterned resistive conductor.

8. (Original) The organic light-emitting device as recited in claim 3, wherein the light-beam is a laser beam.

9. (Previously Presented) The organic light-emitting device as recited in claim 1, wherein a glass transition temperature of the high-energy-gap carrier-blocking layer is smaller than the glass transition temperatures of the organic light-emitting layers.

10. (Original) The organic light-emitting device as recited in claim 1, wherein the emission spectrum of the reconfigurable organic light-emitting device is one of the characteristic spectra of the at least two organic light-emitting layers, and when the structure of the reconfigurable organic light-emitting device is changed, the emission spectrum of the reconfigurable organic light-emitting device changes from the characteristic spectrum of one layer of the at least two organic light-emitting layers to that of another layer of the at least two organic light-emitting layers.

11-49. (Canceled)